

19980501.ba v02\_n037.bam.980501 v02\_n038.bam.980501

>From ???@??? Fri May 01 06:15:35 1998  
Message-Id: <199805010500.AAA18245@sco.theporch.com>  
Date: Fri, 1 May 1998 00:00:02 CDT  
Subject: BOATANCHORS digest 2037

BOATANCHORS Digest 2037

Topics covered in this issue include:

- 1) Re: WE 710  
by Dexter Francis <cwest@xmission.com>
- 2) BA Gear FS  
by don merz <71333.144@compuserve.com>
- 3) WTB Hickok model 820 manual  
by Scott Robinson <spr@earthlink.net>
- 4) Collins modules  
by David and Shari Abell <dabell@aloha.net>
- 5) The dope on "dope"  
by "Francis J. Townsend, III" <ftownsen@access.digex.net>
- 6) Re: SB 220 with 4-400...?  
by "Larry" <rau@wco.com>
- 7) Variac Hookups  
by "Tony" <tony@bright.net>
- 8) Rusty panels  
by Ralph Parker <rparker@istar.ca>
- 9) Tales of Rust and Redemption  
by "Larry" <rau@wco.com>
- 10) Re: Variac Hookups  
by Mike <ac5p@ionet.net>
- 11) HALLI HT-33B B+ CT. BREAKER  
by JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 12) RUSTY CHASSIS  
by JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 13) Re:Coil Dope  
by FRANKK6NL <FRANKK6NL@aol.com>
- 14) RA-66A panadaptor  
by Morris Odell <morriso@vifp.monash.edu.au>
- 15) BA idea--- spiral wrap?  
by dave metz <metzd@cfw.com>
- 16) WTD: Gonset G-28  
by "Richard Solomon" <w1kszt@tiac.net>
- 17) Rare RCA/Marconi tube?  
by "Lawrence R. Ware" <lrware@pipeline.com>
- 18) Re: Coil dope (and variations)  
by Sandy W5TVW <ebjr@worldnet.att.net>
- 19) Coil Dope

by Andre Guibert <aguibert@sympatico.ca>  
20) Misc Tektronix Parts For Sale  
by Witmerjr <Witmerjr@aol.com>  
21) Knob  
by "Walter Fairclough" <wfairclo@netcom.ca>  
22) Hallicrafters setscrew answer  
by JESelkregg <JESelkregg@aol.com>

-----  
Message-ID: <35489891.FBCF6BB8@xmission.com>  
Date: Thu, 30 Apr 1998 09:28:18 -0600  
From: Dexter Francis <cwest@xmission.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: WE 710  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

The WE 710 is a VT-90. Transmititng triode used in the BC-747A.

-df

\*\*\* CWest - P.O. Box 22443 Salt Lake City, Utah 84122 \*\*\*  
\*Visit our Web Page @ <http://www.xmission.com/~cwest>\*

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Date: Thu, 30 Apr 1998 11:51:49 -0400  
From: don merz <71333.144@compuserve.com>  
Subject: BA Gear FS  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199804301155\_MC2-3B7E-3355@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Vintage Radio Gear For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.  
71333.144@compuserve.com

My 2 teenage boys started guitar lessons earlier this year and I am selling a few things so I can buy real rock-n-roll stuff with labels like Fender and Marshall...and we think BOATANCHORS are expensive...sheesh...

HRO shipping crate. This is an original HRO shipping crate for a pre-war

desktop HRO. It is all wooden and a nicely labeled with National and the NC logo plus other details. Empty, of course. From the estate of 8AIG. I'd love to keep it but have no space and I'm tired of seeing it sitting in the laundry room. One of only 2 that I know of anywhere on earth. \$150

Gonset Communicator III. Late 50's 6 meter transmitter receiver setup designed to be portable. Cream color with blue knobs--very pretty. This one has a few scratches on top but is otherwise very good or excellent all over. With AC and DC cords, several 6M crystals and original manual. I had this working a year ago. I think it will fire right up for you but I am reluctant to just plug it in and try it after sitting a year. \$90

Globe Electronics V-10 VFO s/n 34619. 1963 vintage 160M - 6M VFO in small desktop cabinet with modern styling. This was a product of Textron who bought out the amateur product line from WRL in 1962 or so and sold it under the "Globe Electronics" name. It was designed to accompany the Globe HG-303. The V-10 is a good VFO and is the same circuit as the "WRL 755A." This one is near-mint looking and untested--but it should come right up. With original manual. \$105

Heath HR-20 ham-bands receiver from the 1950's. Very cute radio with a cabinet style identical to the MR-1/MT-1 pair below. With home brew power supply and manual photocopy. Front panel is excellent. Cabinet has several dents and scratches and is probably no better than "good" condition. I have had this radio working and it is a strong performer. But the Phones jack on the back is screwed up and I wired around it. I have not used this home-brew supply so you are on your own there. All original. No holes or missing knobs or repaint work. \$70

Heath MR-1/MT-1/UT-1 project rig. Cheyenne/Comanche mobile twins covering the ham bands. Late 50's vintage. But these cabinets are badly rusted. The chasses have some rust too but should clean up okay. The cabinets will need replacing unless you can do sheet metal work. The front panel paint is good or very good. But the knobs have some corrosion and will need polished. The dials are good and dial cords intact. here are no modifications that I can see. They are electrically complete and the electronics appears to be in nice shape. But they are untested. The UT-1 "Utility Power Supply" is in better shape than the radios with only light rust on one section of the cabinet. With original manuals for the radios and a copy for the UT-1. \$80/all

Heath Sixer and Twoer. HW-29 and HW-30 lunchbox VHF transceivers. Both are in beautiful original condition with original microphones. I have the original manual for the Twoer and a copy for the Sixer. Both untested. \$60 each.

Squires-Sanders FM-Alert monitor receivers. Tunable FM monitor radios, one covering hi-band and one lo-band. Tunable with slide-rule dial or 2-channel crystal selectable from front panel. Very pretty styling. With original owners manuals that unfortunatley have no schematics or service info. One works and one doesn't. Both are all original and look great. \$80/pair

Hickok 799 tube tester with CA-99 panel adapter. This was an attempt by Hickok to simplify tube testing using multiple sockets instead of

the many rotary switches usually found on Hickok testers. But some controls still have to be set. The settings for many tubes are printed below each socket. Does not test older 4-5 pin types. But does test all modern types. Missing the light-bulb that is used as a line fuse. No manual or charts (but these are readily available from the usual sources). Leatherette has some dings but is in good shape. Needs cleaned all over. \$45

Altec 661B microphone. Painted the famous Altec deep green. Very sharp. \$30

Military BC-441-D transmitter/receiver. WWII-vintage rig designed for use on coastal steamers. Covers 1.7 - 2.9mc AM only. 25 watts out. 4 crystal-controlled channels (using TCS-style 3-pin crystals) or VFO. This design is by Hallicrafters and closely follows the BC-669 design. But this unit was made by Islip Radio Mfg. Corp under contract 26364-PHILIA-43. The front panel tilts forward to expose the entire works. The circuit is 807s driven by 6L6s. This one has no unoriginal holes but it has been repainted battleship gray (it was originally olive drab and the original paint is visible inside the front panel). The original handset has been replaced with an ordinary hand mic. There is a CD sticker on the front. Untested but this should come up easily. The BC-441-D is part of SCR-281 and was written up in Electric Radio about 5 months ago. These are not very common. With manual photocopy. \$190 plus shipping on 90 pounds.

Military Signal Corps Combination Tester 1183-SC made by Triplet under order number 27101-PHILIA-43. This is a combination tube tester and V-O-M that is part of Test Set I-56-J. Paint is very dirty and shows lots of random abuse. Clasp and handle parts are rusty. Leather handle is missing. Inside is dirty but should clean up excellent. The tube chart is missing but is reproduced in the manual. Untested. With manual copy. \$25

Icom IC-215 Portable 2-Meter FM Transceiver. Famous design that looks kinda like a camera. 15 channels xtal controlled. 3 watts "hi" power. With original mic, carry strap, 12VDC car adapter, original manual and extra crystals. All 15 channels are crystallized: 3 simplex: 146.52, .55 & .94 plus 12 repeater channels with 600khz offset: 146.16, .34, .22, .28, .78, .31, .325, .07, 147. 69, .75, .78, 66, .93. Working as designed. A fun collectable. About 1977-vintage. \$90

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.  
71333.144@compuserve.com

-----  
Message-ID: <3548A481.E2C52399@earthlink.net>  
Date: Thu, 30 Apr 1998 09:19:13 -0700  
From: Scott Robinson <spr@earthlink.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: WTB Hickok model 820 manual  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Folks,

A friend of mine has one of these (apparently unusual) mini tube testers and needs a manual. Reply to me via email and I'll forward to him. Copies jes' fine.

He has spoke to Wendell Hall, the HICKOK guy, and he doesn't have one.

Thanks,

--

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----  
Message-Id: <3.0.1.32.19980430070553.006a3f24@aloha.net>

Date: Thu, 30 Apr 1998 07:05:53 -1000

To: Old Tube Radios <boatanchors@theporch.com>

From: David and Shari Abell <dabell@aloha.net>

Subject: Collins modules

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Return-Path: <dabell@aloha.net>

Received: from haleakala.aloha.net (root@haleakala.aloha.net [204.94.112.33])  
by sco.theporch.com (8.9.0.Beta7/8.9.0.Beta7) with ESMTP id NAA21143  
for <owner-boatanchors@theporch.com>; Wed, 29 Apr 1998 13:38:05  
-0500 (CDT)

Received: from default (kauai-8.u.aloha.net [207.12.7.8]) by  
haleakala.aloha.net (8.8.5/8.6.9) with SMTP id IAA24309 for  
<owner-boatanchors@theporch.com>; Wed, 29 Apr 1998 08:38:02 -1000 (HST)

Message-Id: <3.0.1.32.19980429083846.0069f818@aloha.net>

X-Sender: dabell@aloha.net

X-Mailer: Windows Eudora Pro Version 3.0.1 (32)

Date: Wed, 29 Apr 1998 08:38:46 -1000

To: owner-boatanchors@theporch.com

From: David and Shari Abell <dabell@aloha.net>

Subject: Collins modules

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I have three Collins modules that I would like information and/or offers on. I haveno idea what they are worth but I know I do not need them.They are:

LSB IF amp  
543-0274-005

AM IF amp marked "AB mod"  
543-0276-005

100 KC Transistor Osc  
542-7729-004

Any information would be helpful.

Aloha,

Dave Abell, WH6OL

-----  
From: "Francis J. Townsend, III" <ftownsen@access.digex.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: The dope on "dope"  
Date: Thu, 30 Apr 1998 14:00:35 -0400  
Message-ID: <01bd7461\$e02961a0\$cfd15bcc@bac01468.access.digex.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Barry Ornitz wrote:

I do not know the origin of the term "dope" but all solutions of  
>cellulose esters are known as dopes.

Dates on this sense from at least 1912, for preparations applied to airplane  
or air ship cloth. From Dutch "doop," a dipping or sauce, from the verb  
"doopen" to dip.

Used in the 19th century for mixtures of pitch and tallow. (OED)

Frank

\*\*\*\*\*  
\*\*\*\*\*  
Francis J. Townsend, III  
Baltimore, MD 21212  
ftownsen@access.digex.net

-----  
Message-Id: <199804301813.LAA08673@shell.wco.com>  
From: "Larry" <rau@wco.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "boatanchors" <boatanchors@theporch.com>  
Subject: Re: SB 220 with 4-400...?  
Date: Thu, 30 Apr 1998 11:06:53 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Jesus...where are you located ?

The 3-500Z is readily available here in the US.. and there are versions made in China which are relatively inexpensive.. I believe about \$ 120 US ( 3-500 G from Amateur Electronic Supply)... not that this isn't a lot of money....but better than \$200.

Try RF Parts Company in California, AES, mentioned above, or the other AES Antique Electronic supply.

Maybe some one here has a good used 3-500-Z ?

4-400 in grounded grid... I think you are on the right track... and that changes in the tube are not that critical, in grounded grid service..which is "unconditionally stable"...look at the amplification factor of the tube and filament current required.

In a grid driven amp... connecting the plate and screen together would be the way to go if you wanted to run it as a triode ( why would you ?)

But in grounded grid...I would do what you are doing.. and see how it works... the alternative would be to provide screen voltage for the screen through an rf choke... and let the screen see rf ground through a capacitor...

Better minds than mine here surely know the answer from practical experience, as there are lots of surplus 4-400's around.

73

W6WUH

-----  
Message-Id: <199804301919.PAA28015@sparticus.bright.net>  
From: "Tony" <tony@bright.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Thu, 30 Apr 1998 15:26:52 +0000  
Subject: Variac Hookups

I guess I've finally arrived. I found a nice Variac at a nice price, and I can start messing with start-up voltage the right way, now. :-)

Can someone help with the hook-up for this unit? The inner decal is hard to read, and I just need to know the proper input and output terminals. This is a Model V20, by the way.

I'm actually enjoying turning the big, big knob. Kinda reminds me of Dr. Frankenstein's laboratory. :-)

73,

Tony N8SNC

See Us at Dayton! 2149 & 2150 in the Flea Market.  
Old Radios, Tubes, and Various Other Goodies.

-----  
Message-Id: <3.0.5.16.19980430122727.08c736ac@istar.ca>  
Date: Thu, 30 Apr 1998 12:27:27 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Ralph Parker <rparker@istar.ca>  
Subject: Rusty panels  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Filamentarians: (Don't remember who coined it, but it's my favorite)  
Rusty chassis, OK, it's hidden from the casual observer. My problem is the front panel on a Meissner Deluxe Signal Shifter. Many rust spots. I don't expect to get it all off without scratching the panel, but would Scotchbrite pads help? I haven't touched it yet, hoping for input from an (semi) expert.  
BTW, a schematic would be useful. Anyone make a copy for me?  
73, Ralph, VE7XF

-----  
Message-Id: <199804302000.NAA22943@shell.wco.com>  
From: "Larry" <rau@wco.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Tales of Rust and Redemption  
Date: Thu, 30 Apr 1998 12:54:36 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Thanks for the new ideas :



1. Use acid instead of mechanical means to remove rust.
2. Sandblast
3. Strip to bare metal and replate.
4. Seal with clear Krylon.

I am wondering about 2 other possibilities:

1. The "rust converter" stuff... " Coverts rust to magnetite ! " you've seen the ads.

I saw this applied to a car once....did seem to harden up the loose crud and put a shiny coating on it. Maybe an alternative after the loose stuff is gotten off by hand.

2. Aircraft corrosion inhibitor... saw an ad for this in trade-a-plane.. has an ASTM number and FAA approval... probably for aluminum....supposed to stop existing corrosion...neutralize salts.. etc. Anybody know about this stuff ?

3. Zinc chromate self etching primer.. used in aluminum aircraft work extensively.. and have seen it on steel gear legs ( chrome moly).. compatibility with zinc galvanizing ?? it's advantage is that it is a thin film coating unlike the 93 % zinc stuff.. and also that nice shade of aircraft green. !

Who has a favorite rust inhibitor ??

I have used Tri-Flow because it acts to remove some rust ( like WD-40) but also leaves a permanent thin film of silicone...this is designed as a lubricant and for unfreezing rusted stuff..but it works well when applied with a paper towel. And of course you can always remove it with a solvent.

I have used this on some valuable old Zeniths..where preservation and originality were both important, and the rust was too bad.

There maybe better rust inhibitors.. but I am clueless about them.

73 and thanks for the helpful e-mail

W6WUH

-----  
Date: Thu, 30 Apr 1998 15:41:17 -0500 (CDT)  
Message-Id: <199804302041.PAA15301@mail.ionet.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Mike <ac5p@ionet.net>  
Subject: Re: Variac Hookups  
Cc: boatanchors@theporch.com

Line input 1-common, 2-hot  
Var output 1 to 3 w/3 being the wiper brush. This gives up to 110% of input.  
OR input across entire winding 1-common and 4-hot  
and output 1-common to 3 wiper. This gives up to 0-100% of line voltage.  
Voltage output should increase with clockwise rotation.  
If you get it reversed the voltage will increase CCW backwards.  
Remember all it be is a autotransformer, pri and secondary share a single  
winding with a tap, like a power resistor.  
73,  
Mike

At 03:26 PM 4/30/98 +0000, you wrote:  
>I guess I've finally arrived. I found a nice Variac at at nice price,  
>and I can start messing with start-up voltage the right way, now. :-)  
>  
>Can someone help with the hook-up for this unit? The inner decal is  
>hard to read, and I just need to know the proper input and output  
>terminals. This is a Model V20, by the way.  
>  
>I'm actually enjoying turning the big, big knob. Kinda reminds me of  
>Dr. Frankenstein's laboratory. :-)  
>  
>73,  
>  
>  
>Tony N8SNC  
>See Us at Dayton! 2149 & 2150 in the Flea Market.  
>Old Radios, Tubes, and Various Other Goodies.  
>  
>

>

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MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit  
Date: Thu, 30 Apr 1998 16:55:40 -0400 (EDT)  
Subject: HALLI HT-33B B+ CT. BREAKER  
To: Old Tube Radios <boatanchors@theporch.com>  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
Message-ID: <9804301655.aa03236@pcusa01.ecunet.org>

To: boatanchors@theporch.com

Yes, breakers to wear out in time.

Investigate a suitable fuse with similar time-current characteristics?

-John Sehring (written on Thu, Apr 30, 1998 at Custer, SD) UCC WB2EQG

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MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit  
Date: Thu, 30 Apr 1998 16:55:41 -0400 (EDT)  
Subject: RUSTY CHASSIS  
To: Old Tube Radios <boatanchors@theporch.com>  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
Message-ID: <9804301655.aa03254@pcusa01.ecunet.org>

To: boatanchors@theporch.com

Have had good results with a product from Rust-O-Leum, don't have the can any more after last move. Was something for rusty steel surfaces, nice med. gray color.

Had a C.E. MM-2 which had an exploding HV cap, creepint cap goop (like the blob of SciFi fame) corroded chassis & painted front panel & case.

Been ok for 6 years now.

-John Sehring (written on Thu, Apr 30, 1998 at Custer, SD) UCC WB2EQG

-----  
From: FRANKK6NL <FRANKK6NL@aol.com>  
Message-ID: <34faa812.3548f5a5@aol.com>  
Date: Thu, 30 Apr 1998 18:05:24 EDT  
To: Old Tube Radios <boatanchors@theporch.com>

Mime-Version: 1.0  
Subject: Re:Coil Dope  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I use Duco Model Cement. Besides, if one takes a several sniffs of it before applying ,one gets a much neater job ! In the real olden days we used collodion available then from pharmacies. Collodion was then in use to seal off minor cuts and stop bleeding. Frank K6NL

-----  
Message-ID: <3548FC09.1FE9@vifp.monash.edu.au>  
Date: Fri, 01 May 1998 09:32:41 +1100  
From: Morris Odell <morriso@vifp.monash.edu.au>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RA-66A panadaptor  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Fellow filamentarians,

I found a real prize yesterday, a Racal RA-66A panadaptor to go with the RA-17 receiver. It looks very clean and the panel matches the receiver exactly. It works on the bench but I haven't connected it to the receiver yet. It has a lot of tubes including 3 VR tubes and 2 1S2 high voltage rectifiers as well as several enormous "Visconol Cathode Ray Capacitors" rated at 5 kv. There are 5 (count them) mixers in its convoluted frequency scheme.

This is not your ordinary panadaptor! It takes its input from a part of the RA-17 where there is a 1 MHz wide spectrum signal ahead of the main KHz tuning VFO/mixer, and also takes an input from the receiver's 2nd VFO. The screen displays the whole MHz segment with 100 KHz markers and a marker pip moves along to indicate where the receiver is tuned. The spectrum display has 3 fixed selectivities and there are 2 fixed sweep speeds.

Now the rub - I only have a partial and very poor copy of the manual for the RA-66B which is a slightly different model meant to interface to a printer. There are no alignment instructions. The manual says that to connect the panadaptor to the receiver an adaptor kit needs to be fitted to the receiver - needless to say there's no kit. The kit apparently replaces a little subchassis and includes an extra tube to buffer the spectrum output from the receiver and "protect" a filter at that point in the receiver from detuning. There are quite detailed instructions on how to fit it to the receiver's main chassis (involving drilling and tapping holes etc), and also a few mods to be made to the AGC

distribution.

I'm sure the adaptor is completely unobtainium, no doubt somewhere in Oz someone has a RA-17 that "doesn't look quite like the manual says it should".

Does any one know what's in the adaptor? I'm sure I could cobble up something to do the job using sandy devices or maybe even a tube although that would involve dismantling the subchassis and rebuilding it a little larger - not something I'm keen on doing. If anyone could help with a copy of the RA-66A manual I'd be pretty happy too.

This is just the sort of challenge that makes boatanchoring so much fun. I'm going to have to reorganize the shack quite a bit to fit it next to the receiver - it'll look great!

73 de Morris VK3DOC - a very happy man!

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Message-Id: <2.2.32.19980501014340.006ea520@milo.cfw.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Date: Thu, 30 Apr 1998 18:43:40 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: dave metz <metzd@cfw.com>  
Subject: BA idea--- spiral wrap?

A while back I ordered some 1/8" spiral wrap from my local electronics distributor that was the great sum of \$7/100 feet. I am using it on some bad wiring on my restoration of a SP200 and it seems to be one of those not too intrusive but very effective ways of protecting wires with deteriorated insulation. While I realize the best thing would be to replace, its so much work to find appropriate wire and then solder it into place without looking bad. This isn't a museum piece soooooo.....at least for me, this seems to solve a difficult situation very cheaply and looks very nice and professional.

73's  
dave

-----  
Message-Id: <199804302256.SAA21551@mail-out-3.tiac.net>  
From: "Richard Solomon" <w1ks@tiac.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: WTD: Gonset G-28  
Date: Thu, 30 Apr 1998 18:49:29 -0400  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Looking for a Gonset G-28, with manual. Anyone have one ??  
73, Dick, W1KSZ

-----  
Message-Id: <3.0.5.32.19980430182544.008367a0@pop.pipeline.com>  
Date: Thu, 30 Apr 1998 18:25:44 +0000  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "Lawrence R. Ware" <lrware@pipeline.com>  
Subject: Rare RCA/Marconi tube?  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Good evening firebottle fans :-)

Today one of my local mil surplus friends came up with a very interesting tube for me.

An RCA red 5693, but not a normal RCA 5693.  
This one is marked:  
Marconi Radiotron and has an odd RVC (Radio Valve Corporation?) logo on it. It also has the 5693 on it.  
This sure looks like the RCA red base and red metal can tube.

Tonights question(s):  
Anyone care to hazard an opinion concerning how rare/collectable the thing is? It does test good.

Anyone willing to offer something National in trade, or partial trade?  
I'm always hunting Original National paper, HRO-60 coil sets, PW dials, etc. Cash could go with the tube if you have something interesting. :-)

-Larry

# Larry Ware  
# Admirer, Collector, Restorer of National Radio Company  
# receivers and other artifacts.  
# Orlando, Florida  
# lrware@pipeline.com

-----  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
Subject: Re: Coil dope (and variations)  
Date: Thu, 30 Apr 1998 23:54:24 +0000

Message-ID: <19980430235422.AAA19736@LOCALNAME>

At 12:59 AM 4/30/98 -0400, you wrote:

>And finally Roberta gave a recipe for making your own using styrene plastic  
>and toluene. Thank you, Bobbi, for adding all the proper precautions about  
>toluene too.

>

. Probably the best inexpensive source of polystyrene is the foam  
>packing "peanuts".

>

>My recipe calls for filling a half pint (or one liter) glass bottle about  
>half full of acetone. Poke as many of the "peanuts" as you can into the  
>bottle. Wait a few minutes, shake the bottle and repeat.

>You will be amazed at how many peanuts will go in the bottle. Since they  
>are foamed, there is really very little of the plastic in each one. When  
>the bottle gets to the point that adding additional peanuts is difficult,  
>let the bottle sit capped a few days. If the solution is too thin, add  
>more peanuts. If it is too thick, add a little acetone. If you start with  
>white peanuts, the solution will generally be quite clear after some  
>insoluble crud sinks to the bottom of the bottle. Colored peanuts give a  
>colored dope, and many Rit dyes can be used to color the dope if you wish.  
>Used as a thick solution, this dope is good for tacking down surface wires  
>in coils and such. Thinned a little, it will penetrate coil windings to  
>secure multilayer coils and pi-wound inductors.

>

> 73, Barry L. Ornitz WA4VZQ ornitz@dpnet.net

>

>

As usual, some words of wisdom from "the old chemist"!!

Gee, never thought of using the poly peanuts! Mixed up a batch in  
an old  
"Q Dope" bottle (It now costs around \$3 by the way!!! In 2 oz bottles!) using  
some of those light green "peanuts". Really makes NEAT green "Q" dope.  
I guess the pink ones would be something else, designer colors no less!  
Anyway, Toluene was used as a solvent. I got mine from BLP Mobile Paints.  
It was \$2.50 (with the tax included) for a quart can. Enough to last forever!  
You can make a lot of Q dope with this much Toluene!

73 to all,

PS: "Old dogs" can learn new tricks!!

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive

Metairie, LA., 70001

\*\*\*Again looking for a Hallicrafters SR-75 \*\*\*  
\*\*860 Hartley 'ECO' construction "on hold"\*\*\*  
\*\*\* Looking for a TRC-10 transceiver \*\*\*\*\*  
\*\*\* Looking for an RAL receiver \*\*\*\*\*

-----  
Date: Thu, 30 Apr 1998 20:27:40 -0400 (EDT)  
Message-Id: <199805010027.UAA24617@smtp13.bellglobal.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Andre Guibert <aguibert@sympatico.ca>  
Subject: Coil Dope

Bonsoir to All  
Been using Glyptal lightly, in spray can, with a heat  
lamp (Lightly) for windings.  
Pros and Cons?  
Andre

-----  
From: Witmerjr <Witmerjr@aol.com>  
Message-ID: <b877e4a8.35492439@aol.com>  
Date: Thu, 30 Apr 1998 21:24:08 EDT  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: Misc Tektronix Parts For Sale  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hello All,

While cleaning out some equipment I ran across several Misc Tektronix & GRC  
parts that I'd like to know the value of - and sell.

TU-5/105 Adapter.



B 52 T10 in-line, UHF Connector, 52 Ohm, 20 dB T PAD.

Tek Part # 017-045, General Radio Co Part # 874, GRC Connector, in-line 5XT 50 Ohm 1 Watt.

G20 General Radio Co Part # 874, GRC Connector, in-line 20 dB attenuator.

Cigar lighter to right-angle 3 pin power cord.

Let me know what you're interested in and the value.

Thanks & 73

Bob, W3RW

witmerjr@aol.com

-----  
Message-ID: <001d01bd74a0\$f063bea0\$625bb5cf@wfairclo.netcom.ca>  
From: "Walter Fairclough" <wfairclo@netcom.ca>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Knob  
Date: Thu, 30 Apr 1998 21:31:58 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Need a 'Reception' knob for a Hallicrafters SX-71.

Walter Fairclough  
wfairclo@netcom.ca

-----  
From: JESelkregg <JESelkregg@aol.com>  
Message-ID: <ab427da9.35493e8a@aol.com>  
Date: Thu, 30 Apr 1998 23:16:25 EDT  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: Hallicrafters setscrew answer  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I checked for a four fluted Bristal bit at a large tool specialty store but had no luck.

Verified that what I need actually need is a Bristal tool.

Remembered that R388s come with a set of four Bristol wrenches in a factory installed holder inside it's cover so I popped the hood on my R388 and found that the two smaller Bristol wrenches supplied were four fluted and the larger one fits the Hallicrafters!

If I find a normal source for this, I will forward it.

Joe Selkregg

-----  
End of BOATANCHORS Digest 2037

\*\*\*\*\*

>From ???@??? Sat May 02 14:52:36 1998  
Message-Id: <199805011811.NAA06659@sco.theporch.com>  
Date: Fri, 1 May 1998 13:07:10 CDT  
Subject: BOATANCHORS digest 2038

#### BOATANCHORS Digest 2038

Topics covered in this issue include:

- 1) ID Rauland var cap? GRC-9 ?  
by Ho4bart <Ho4bart@aol.com>
- 2) Re: radio inventory USS Crossroads  
by Ho4bart <Ho4bart@aol.com>
- 3) More on freebie  
by "Arden Allen" <gumbear@pacbell.net>
- 4) Freebie book  
by "Arden Allen" <gumbear@pacbell.net>
- 5) Re: [R-390] Rails and Slides  
by "Terry O'Laughlin" <terryo@wort-fm.terracom.net>
- 6) Info please on Weston test equipment  
by "Paul Bernhard Sr." <w2tu@email.msn.com>
- 7) Stripping 'magnet' wire  
by "Herbert M. Rosenthal" <herbrose@lobo.net>
- 8) Lakeshore Band Hopper VFO  
by "David L. Thompson" <thompson@mindspring.com>
- 9) Too many projects  
by "David L. Thompson" <thompson@mindspring.com>
- 10) Re: Stripping 'magnet' wire  
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 11) Re: Stripping 'magnet' wire  
by "Walt Novinger" <wnovinger@shaw.wave.ca>
- 12) Re: Hallicrafters setscrew answer  
by "Albert W. Parker" <anchor@coastalnet.com>

- 13) Re: Rare RCA/Marconi tube?  
by "Deane D McIntyre" <dmcintyr@acs6.ACS.UCALGARY.CA>
- 14) Re: Stripping 'magnet' wire  
by Bob Roehrig <broehrig@admin.aurora.edu>
- 15) Re: Stripping 'magnet' wire  
by "Lawrence R. Ware" <lrware@pipeline.com>
- 16) ADMINISTRIVIA: Buying and Selling Guidelines  
by listown@jackatak.theporch.com (Mail List Owner)
- 17) Clare Relay Specs WTD  
by Mike <ac5p@ionet.net>
- 18) RE: Stripping 'magnet' wire  
by Ed Sieb <esieb@gmsiworld.com>
- 19) Re: Stripping 'magnet' wire  
by "Jim Berry" <basalop@gte.net>
- 20) RE: Stripping 'magnet' wire  
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 21) Millen GDO acquired  
by James.Reid@merisel.com
- 22) Poison Nuvistors from SMIRK?  
by MNHopkins <MNHopkins@aol.com>
- 23) Re: Stripping 'magnet' wire  
by Al Klase <skywaves@bw.webex.net>
- 24) Re: Rusty panels  
by "Larry" <rau@wco.com>
- 25) Re: RUSTY CHASSIS Stuff  
by "Larry" <rau@wco.com>
- 26) FS: Lambda MM-2 2" Monitor Scope  
by Michael Crestohl <mc@shore.net>
- 27) Anybody Going to Mexico ?  
by "Larry" <rau@wco.com>
- 28) Magnet Wire Characteristics  
by "Tom R. Rice" <tomrice@netcom.com>

---

From: Ho4bart <Ho4bart@aol.com>  
Message-ID: <e623fbfa.35496da3@aol.com>  
Date: Fri, 1 May 1998 02:37:21 EDT  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: ID Rauland var cap? GRC-9 ?  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

i have this multisection Rauland cap, marked CA-325-B,  
totally enclosed in shield, lugs on rear are 16-1 thru 16-3B.  
dated 1942. the shaft has a knob just like the grc-9 tuning  
knob and there is a 'hundreds' counter disk just like the GRC-9.  
altho Rauland made the GRC-9 predecessor BC-1306, i think

April 1942 is 2 years too early for this latter set, and besides the cap is 11 inches long, too wide i think for either of these sets. so what did Rauland build in 1942 that used a dial system similar to the BC-1306 and GRC-9 ?

Is Rauland still in the intercomm business?

tnx, hue

-----  
From: Ho4bart <Ho4bart@aol.com>  
Message-ID: <7e7bbfe6.35498741@aol.com>  
Date: Fri, 1 May 1998 04:26:40 EDT  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: Re: radio inventory USS Crossroads  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

i found in my deep archives, this radio inventory book, it's not very clear as to ship, but the name "Crossroads" appears in it. apparently radios were installed in 6 / 1945 and the ship was apparently deactivated already in 1948? does anyone have information whether this name is correct, and if so, what class vessel and its service years? also, should i put the info in a file and send it to interested requestors? the info has serial numbers too, so there may be a small chance in n10E6 that some reader has one of these equipments.

tnx, hue

-----  
Message-Id: <199805011114.EAA14490@mail-gw.pacbell.net>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: More on freebie  
Date: Fri, 1 May 1998 04:16:36 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

This is issue no. 1, the first of the series which is probably still going on. 64 pages with about 60 circuits of a variety of applications with plenty of text as well a schematics.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Message-Id: <1998050111127.EAA16739@mail-gw.pacbell.net>  
From: "Arden Allen" <gumbear@pacbell.net>

To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Freebie book  
Date: Fri, 1 May 1998 04:28:46 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Ol' Listproc didn't like the following message so I'm sending it again, slightly modified: Phree for the asking: "100 Ideas for Design", a compilation of circuit designs from Electronics Design magazine, copyright 1961. This is issue no. 1, the first of the series which is probably still going on. 64 pages with about 60 circuits of a variety of applications with plenty of text as well a schematics. Contains both toob and unmentionable device circuit ideas. Condition not bad, cover dirty with the usual coffee stains (whadya want for free?). Operator standing by.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Message-Id: <3.0.3.32.19980501064412.00e62dc0@terra.com.net>  
Date: Fri, 01 May 1998 06:44:12 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "Terry O'Laughlin" <terryo@wort-fm.terra.com.net>  
Subject: Re: [R-390] Rails and Slides  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have about 60 pairs of General Devices "Chassis Trak" slides.

The C-300-S-120 are 20" long and are boxed in sets of 2 pairs (i.e. 2 radios). They come with mounting hardware and have a weight rating of 85 lbs, which is perfect for R-390s... My older Newark catalog lists them for \$63.32 (2 pairs - 4 rails). Reboxing them is not worth my time, so I'll sell them only 2 pairs at a time. I have about ten boxes, \$20 per box plus \$6 for UPS ground.

The C-300-S-109 are 9" long and are too small for an R-390. They are fine for equipment that is not as deep. They also come with mounting hardware and have the same 85 lb weight rating. They are boxed as individual pairs (i.e. one radio). I have about 40 boxes of these, \$8 per box plus \$3 for UPS ground.

I won't be able to send any individual replies for about ten days. It is the end of semester and I'm behind in my grading and have yet to write the exams. Please be patient if you don't hear from me right away.

73      Terry O'      WB9GVB

-----  
From: "Paul Bernhard Sr." <w2tu@email.msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Info please on Weston test equipment  
Date: Fri, 1 May 1998 09:15:30 -0400  
Message-ID: <033ca2316130158UPIMSSMTPUSR05@email.msn.com>

A strange and obviously old meter was in the bottom of a box of tools acquired at an estate sale recently. Does anyone have info or can point me in the right direction. it is as follows:

Weston model 537 (no other designations or labels)  
wooden box approx 9x9x4  
Used as voltmeter-milliammeter a.c voltmeter on left  
0-4,8,150vac, d.c. meter on right 600-300-60-8 volts and  
150 & 30 milliamps.  
Some kind of tube testing (possible early thyratrons)  
Dial with 10 positions (cath volts, c-4-rev, pl.ma 30-150,etc.)  
Five holes in face for plug in and external cord with  
pin plug and adaptor.

Very odd piece and any info would be appreciated. Much to nice to deep-six.  
Thanks in advance.

Paul Bernhard W2TU

w2tu@msn.com

-----  
Message-ID: <3549E69C.1D11@lobo.net>  
Date: Fri, 01 May 1998 08:13:36 -0700  
From: "Herbert M. Rosenthal" <herbrose@lobo.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Stripping 'magnet' wire  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Fellow choke and coil winders:

I am the proud possessor of a new bottle of GC Strip-X. It cost about \$11 here in Albuquerque. It was sealed tightly when I purchased it.

It works great on MOST, but not all magnet wire that I use for coil winding.

It comes with all sorts of warnings about containing bad stuff that will stain your fingers (at least) and maybe do you in if you're real careless. ..But when it works, it really works! I use rubber gloves to keep it off my hands.

I have various sizes of new wire obtained from a local motor repair shop..supposed to be Formvar or some modern insulation (that's what I was told). The Strip-X works on some, and not on others.

I know it's bad to use a knife to scrape the insulation off (nicks, etc.), so I use 3-400 grit paper and sand it off..kinda hard to do when you're holding the turns on a coil form so they don't loosen.

Does anybody have a better way of stripping magnet wire that works all the time, better than Strip-X? It USED to work.  
Herb Rosenthal W5AN

-----  
Date: Fri, 1 May 1998 10:37:08 -0400 (EDT)  
Message-Id: <1.5.4.16.19980430213940.37b799e8@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "David L. Thompson" <thompson@mindspring.com>  
Subject: Lakeshore Band Hopper VFO

Picked this VFO up as I have never owned any Lakeshore gear but have seen the exciters and worked many of them.

The VFO (I am looking for a manual) is a built to hetrodyne off 9Mhz. So can be used with both Lakeshore exciters and 9Mhz eciters such as the CE 10B or 20A. The nice thing is that it covers 160 to 10 and can probably be adapted to the WARC bands. Seems to be in good shape outside and the dial is near Eddystone quality and still works well. Next the cover comes off to check tubes and electrical basics.

I have a friend with the old SBA series of 9Mhz CW/SSB exciter base kits from International Crystal...maybe I should use their basic circuit to build up a 160 to 10 20 watt exciter to drive my NCL-2000.

Anyone who knows more about the Lakeshore VFO (this is the stand alone version as shown in the old Walter Ashe or Harrison catalogs) please drop me an e-mail.

73, Dave K4JRB

thompson@mindspring.com

Early SSB and early mobile (1945 to 1965)

-----  
Date: Fri, 1 May 1998 11:05:50 -0400 (EDT)  
Message-Id: <1.5.4.16.19980430220816.2f1f8720@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "David L. Thompson" <thompson@mindspring.com>  
Subject: Too many projects

Well I again have too many projects, too much work, and little time for BA.

In addition to the Lakeshore VFO I have these WIPS (Works in Progress as the FCC calls 'im)

1. NCL-2000 conversion to Svetlana 4CX400's. Now at Svetlana for smoke test.
2. HQ170A-VHF needs complete alignment, tubes checked, and maybe some components replaced.
3. Globe DSB-100 to check out. I have the manual and think this rig works but want to check it out. Will probably get a VFO (Eico 722, most WRL will work..but NADA Heath VF-1).
4. Elenco 77. One working on 80 and 20..this one worked the Collins station in 1997 thru the big pile of callers. Barefoot 120W output. Hey they put 1KV on a pair of 807's! Second Elenco is with Ray W4BYG in Tanpa, but last heard his spectrun analyzer went on the fritz. The one Ray has has been modified somewhat. These were built by SSB pioneer W9OHM (not the same Elenco as today's test gear firm). OHM was last heard of from Orlando but no one at his last known address had ever heard of him...probably SK.
5. Clegg Thor VI. Works Ok, but some hum in RX. Only problem is that it has a direct drive VFO (transceiver). I plan on finding a 100 to 1 counter dial to make tuning CW and SSB easier. This dial would sit on the current VFO shaft and the old dial could be put back on to bring back to original shape. Got a copy of the manual, but have a complete manual with schematic in one place coming.
6. PMR-8 Receiver. Works great and have stored all the suggestions about alignment especially the dial calibration (OK on 80 and 40) which is way off on 20 to 10. Unlike the earlier Multi Elmac receivers this one does not cover 160 just BC to 6 meters.

Two rigs will be put on my display shelf as "not restorable" ..This includes



a very early Elmac A-54H and the Babcock MT-5B. I have the Eldico twins and a Drake line to pick up. Most importantly I have my HF antennas to work on (ever try re-capping a KT34XA...Andy KCY you have one and are excused!) and a noise problem on 160/80 that was made worse by the tornado near miss (If you are on the towertalk reflector you know...)

All this and a company to run and a family.

73, Dave K4JRB

BTW: Looking for an Eldico TR-1 AM/CW transmitter system and VFO (as above) for the DSB-100.

-----  
From: "Roger A. McCarty" <rmccarty@earthlink.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Stripping 'magnet' wire  
Date: Fri, 1 May 1998 08:35:21 -0700  
Message-ID: <01bd7516\$c04639c0\$9aa9d9cf@accurate-1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Boy do I have some recent experience in this matter! I've wound probably 100 or so coils in the last few weeks. I at one time swore by the value of strip-x, but recently Cal-Osha, or whatever Federal agency is in charge of protecting us from ourselves, decided that we cannot be trusted with the contents of the original formula, has now reduced the once former king of strippers to an anemic facsimile of it's former self.

I find that it does work on magnet wire that has a thin veneer of enamel as insulation, but as the wire gauge increases and the enamel thickens, strip-x does less and less. I found that the method suggested (or at least the first time I remember seeing this suggestion) by NorCal and the 38 special works the best i.e., using a BIC lighter to burn off the insulation and following up with a light rubbing with sandpaper. This method is at the very least, consistent, although care must be taken when working with smaller gauge wire, it can (and will) melt in front of your eyes.

I too would be interested on alternative methods.

Roger KD6CC

-----Original Message-----  
From: Herbert M. Rosenthal <herbrose@lobo.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Friday, May 01, 1998 7:15 AM

Subject: Stripping 'magnet' wire

>Fellow choke and coil winders:

>

>I am the proud possessor of a new bottle of GC Strip-X. It cost about  
>\$11 here in Albuquerque. It was sealed tightly when I purchased it.

>

>It works great on MOST, but not all magnet wire that I use for coil  
>winding.

>

>It comes with all sorts of warnings about containing bad stuff that will  
>stain your fingers (at least) and maybe do you in if you're real  
>careless. ..But when it works, it really works! I use rubber gloves to  
>keep it off my hands.

>

>I have various sizes of new wire obtained from a local motor repair  
>shop..supposed to be Formvar or some modern insulation (that's what I  
>was told). The Strip-X works on some, and not on others.

>

>I know it's bad to use a knife to scrape the insulation off (nicks,  
>etc.), so I use 3-400 grit paper and sand it off..kinda hard to do when  
>you're holding the turns on a coil form so they don't loosen.

>

>Does anybody have a better way of stripping magnet wire that works all  
>the time, better than Strip-X? It USED to work.

>Herb Rosenthal W5AN

>

>

-----  
Message-ID: <001001bd7517\$44f2c3a0\$223d4018@wbn-home.wave.shaw.ca>

From: "Walt Novinger" <wnovinger@shaw.wave.ca>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Stripping 'magnet' wire

Date: Fri, 1 May 1998 09:39:03 -0600

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hmmmm...stains fingers, does various other nasties, dissolves  
varnish...sounds like H2SO4 (sulphuric acid). Perhaps some of the  
commercial-strength drain openers would work? The one I use here in Canada  
is quite concentrated (I'd guess 70% or more), and sure would do the  
above-mentioned bad things to you! You'd still have to clean the copper  
after the treatment (probably with 3-400 grit emery), but this may do the  
trick. Would be interested to hear if anyone tries this.

Walt

Walt Novinger                                Real Radios Keep You Warm At Night!  
Collector of hollowstate communications receivers and test equipment  
wnovinger@shaw.wave.ca  
-----Original Message-----  
From: Herbert M. Rosenthal <herbrose@lobo.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Friday, May 01, 1998 8:11 AM  
Subject: Stripping 'magnet' wire

```
>Fellow choke and coil winders:
>
>I am the proud possessor of a new bottle of GC Strip-X. It cost about
>$11 here in Albuquerque. It was sealed tightly when I purchased it.
>
>It works great on MOST, but not all magnet wire that I use for coil
>>winding.
>
>It comes with all sorts of warnings about containing bad stuff that will
>stain your fingers (at least) and maybe do you in if you're real
>careless. ...But when it works, it really works! I use rubber gloves to
>keep it off my hands.
>
>I have various sizes of new wire obtained from a local motor repair
>shop..supposed to be Formvar or some modern insulation (that's what I
>was told). The Strip-X works on some, and not on others.
>
>I know it's bad to use a knife to scrape the insulation off (nicks,
>etc.), so I use 3-400 grit paper and sand it off..kinda hard to do when
>you're holding the turns on a coil form so they don't loosen.
>
>Does anybody have a better way of stripping magnet wire that works all
>the time, better than Strip-X? It USED to work.
>Herb Rosenthal W5AN
>
>
```

Message-Id: <199805011540.LAA08587@lucky.coastalnet.com>  
From: "Albert W. Parker" <anchor@coastalnet.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Hallicrafters setscrew answer  
Date: Fri, 1 May 1998 10:52:54 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Hi Joe, & all,

I had the same problem a while back, Harry, KG5LO clued me in to a source--

Xcelite makes what we need, you can buy a set, or individual pieces. They use a handle (like a screwdriver), and bit inserts, about 4 inches long. #99-65 for the small 4-point, #99-66 next size up 6-point, #99-1 handle. I got them thru the local electronics supply house (my locality has moved since, & don't know where to look here). (my R388 didn't have it's original tools) I needed the 4-pointer for Hallicrafters. Hope this will help some others.

73,

Al, W8UT

new email & QTH after 17 April 98

anchor@coastalnet.com

New Bern, NC

-----  
> From: JESelkregg <JESelkregg@aol.com>  
> Subject: Hallicrafters setscrew answer  
> Date: Thursday, April 30, 1998 8:16 PM  
> I checked for a four fluted Bristal bit at a large tool specialty store but  
> had no luck.  
> Verified that what I need actually need is a Bristal tool.  
> Remembered that R388s come with a set of four Bristal wrenches  
> If I find a normal source for this, I will forward it.  
>  
> Joe Selkregg

-----  
Date: Fri, 1 May 98 09:42:12 -0600  
Message-Id: <9805011542.ZZ493829@acs6.acs.ucalgary.ca>  
From: "Deane D McIntyre" <dmcintyr@acs6.ACS.UCALGARY.CA>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Rare RCA/Marconi tube?

In message <3.0.5.32.19980430182544.008367a0@pop.pipeline.com> writes:

> An RCA red 5693, but not a normal RCA 5693.  
> This one is marked:  
> Marconi Radiotron and has an odd RVC (Radio Valve Corporation?)  
> logo on it. It also has the 5693 on it.  
> This sure looks like the RCA red base and red metal can tube.

RVC was owned by Canadian Marconi and made Marconi tubes in Canada. They were licensed by RCA I believe (thus the term Radiotron), and made

basically the same line of tubes RCA made. RVC/Marconi tubes were one of the most popular brands of tubes sold here in Canada. In front of me at the moment I have a 12BK5 in the original Marconi box. On two sides of the box it says Marconi, below which is the RVC logo and "Canadian Marconi Company" as well as "Radiotron". On the other two sides it says Marconi [RVC logo] Radiotron followed by "The RVC Monogram is the mark of Unexcelled Radio Tube Design and Efficiency".

The Canadian Marconi company made radios and TVs for the consumer market here in Canada into the 1960's...I have even seen a Marconi AM/FM stereo receiver.

Don't know anything specific about Marconi Red 5693's however.

73, Deane D McIntyre VE6BP0  
dmcintyr@acs.ucalgary.ca

-----  
Date: Fri, 1 May 1998 10:44:08 -0500 (CDT)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Stripping 'magnet' wire  
Message-ID: <Pine.ULT.3.96.980501104028.16577A-100000@admin.aurora.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 1 May 1998, Walt Novinger wrote:

> You'd still have to clean the copper  
> after the treatment (probably with 3-400 grit emery), but this may do the  
> trick. Would be interested to hear if anyone tries this.

> >Herb said:  
> >Does anybody have a better way of stripping magnet wire that works all  
> >the time, better than Strip-X? It USED to work.

If I am winding a small coil, I often stick the end in solder paste, then tin the end with the iron. It works on small gauge wire. Burns the coating right off. Otherwise I'll use the Bic lighter/sandpaper method.

"Nostalgia is a thing of the past"  
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

-----  
Message-Id: <3.0.5.32.19980501112543.0082e7c0@pop.pipeline.com>

Date: Fri, 01 May 1998 11:25:43 +0000  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "Lawrence R. Ware" <lrware@pipeline.com>  
Subject: Re: Stripping 'magnet' wire  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The active ingredient in STRIP-X used to be Methylene Choride.  
Not sure what they use now days, but MC, Phenol and Ammonia  
are what's listed on my bottle.

Methylene Choride is also common in industrial strength paint  
stripping compounds. I'll have to give paint stripper a try at  
magnet wire and see how it does.

Dr. Barry has warned us about MC before, so I'll only add:

\*\*\* DANGER! WILL ROBINSON DANGER! \*\*\* :-)

This is very nasty stuff. Get out the eye shields, rubber gloves,  
etc. etc. etc. MC is one of the most toxic and dangerous compounds  
you can still buy "off the shelf."

-Larry Ware  
lrware@pipeline.com  
Orlando, Florida

-----  
Message-Id: <199805011615.LAA02548@jackatak.theporch.com>  
From: listown@jackatak.theporch.com (Mail List Owner)  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: ADMINISTRIVIA: Buying and Selling Guidelines  
Date: Fri, 1 May 98 11:15:00 CDT

Gang-

This periodic posting is intended as a gentle nudge and suggestion  
which should improve the quality of posts to the BoatAnchors list, and  
maintain our excellent (and high) signal to noise ratio...

The list culture has developed to include "for sale" and "wanted"  
posts. Originally, all buying and selling traffic was focused on  
finding parts to complete a restoration. As the list has evolved,  
there has been an increase in buying and selling activity, which

may not be all bad.

There is, however, a real need to observe certain conventions, lest this otherwise benign activity turn into a real disturbance to the real purpose of the list: discussions of radio equipment using vacuum tubes, including the life and times of the designers and users of such gear.

Please observe these guidelines:

- 1) LIMIT the frequency of for sale postings... once a month is a good starting point
- 2) DO NOT post endless "xxx is sold" to the entire list... you offered it for sale, and it is not considerate of list resources (which include the time and energy of the other list members) to burden the list with these senseless notices. Use direct email to those who responded, or, if you don't want to answer them personally, just don't use the list to advertise them for sale!
- 3) AVOID even the mere faint appearance that you are posting items for sale as a regular adjunct to your business dealings. This has become more of a problem lately with some long lists showing up regularly on the main list, or with dealers who appear to be using the list for their personal advertising advantage. Failure to observe these basics \*will\* result in banishment from the list -- just don't do it! When even a shadow of doubt creeps in, read the "Welcome" message again... it spells it out!
- 4) DO be considerate of those on the list in your for sale or wanted postings. Keep them short, infrequent, and ONLY include items specifically appropriate to the list -- NO solid state gear is obvious, but try to avoid pushing the envelope in any area.
- 5) LONG lists and estate offerings should be sent to me at:  
listown@jackatak.theporch.com  
so they may be uploaded to the archives for email or ftp retrieval.  
(We are hoping to have a web page up in the future for these files.)

Thanks for your understanding and help in making the boatanchors list have the highest signal to noise on the InterNet.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -  
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"  
"Il n'y a que les idiots qui ne changent jamais d'idee"

-----  
Date: Fri, 1 May 1998 11:33:01 -0500 (CDT)

Message-Id: <199805011633.LAA04961@mail.ionet.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Mike <ac5p@ionet.net>  
Subject: Clare Relay Specs WTD

I have some small sealed Mercury-wetted contact relays am considering using for interposing keying relays with boatanchor rigs to keep low voltage on the key contacts. Can someone tell me the coil and contact ratings for:

Clare KS-23575-L1

Tks es 73,  
Mike/ac5p

-----  
Message-ID: <01BD74FE.0F25E9A0@dstephen.gmsiworld.com>  
From: Ed Sieb <esieb@gmsiworld.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Stripping 'magnet' wire  
Date: Fri, 1 May 1998 12:38:34 -0400  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

I've always used Methylene Chloride. (liquid, not gel). Works well. =  
Seems to work on almost any plastic or enamel coatings.  
MEK (methyl-ethyl-ketone) also works but not on all coatings.

I use it in an open space, as the fumes are over-powering and highly =  
noxious. Excessive exposure will cause intoxication, and extensive =  
exposure, eventual death. However, in an appropriate environment, =  
adequately ventilated, it's fine.

I dip the wire for about 15-20 sec., and then wipe off with a coarse =  
cloth.=20

73, de Ed VA3ES/VE2BAQ (that's Boat Anchor Quality)

~~~~~  
Ed Sieb, VA3ES esieb@gmsiworld.com  
P. O. Box 8377, Ottawa Terminal, Ottawa, Ontario, K1G 3H8  
613-738-8924 (H) 613-599-5161 (W)=09  
AMI #529 Canadian Division Director.  
Member - Radio Club of America, QCWA, AWA  
Net Manager - Canadian Boat Anchor Net (3745 Kcs)



~~~~~  
-----  
Message-Id: <199805011650.LAA18262@smtp2.mailsrvcs.net>  
From: "Jim Berry" <basalop@gte.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Stripping 'magnet' wire  
Date: Fri, 1 May 1998 09:47:25 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hello Toob Dudes,

I asked a fella who worked for a company who builds electronic stuff commercially. He told me they used a "solder pot". Just drop in some flux and dip the wire in it. The varnish goes poof and the wire end is all nice and tinned. You can do the same thing with your soldering iron. No need for chemical strippers that do not work.

73 Jim K7SLI

-----  
Date: Fri, 1 May 1998 12:51:40 -0500 (EST)  
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
Message-Id: <46300.owen@piper.eeel.nist.gov>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Stripping 'magnet' wire

The way I have always done it is to use a solder pot. Solder pots can be expensive but Contact East 1-978-682-2000 [www.contacteast.com](http://www.contacteast.com) has several smaller ones. # 112-119 800 degrees F for \$60.10 and #112-102 750 degrees F for \$76.70. All you have to do is to dip the leads into the molten solder, safe unless you dip your finger also. If you plan to do much coil type of work I suggest that you make an investment. It's always nice to have the right tools. 73 Jim K4CGY

-----  
From: James.Reid@merisel.com  
Mime-Version: 1.0  
Date: Fri, 1 May 1998 09:51:50 -0700  
Message-ID: <002144BA.1413@merisel.com>  
Subject: Millen GDO acquired  
To: Old Tube Radios <boatanchors@theporch.com>  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part

Greetings all from the new job!

I picked up a nice Millen 90651 GDO at the TRW swapmeet this past weekend for \$40. It had all the standard coils and the plastic carrying case. I didn't think the price was too awful bad. The guy said he thought it worked. Yeah, right. I was suspicious when I went to clean the thing up and found all the screws on the back loose. Further inspection revealed the 9002 tube was missing. Figures... A quick trip to AES's web site cured that problem. Had to replace a crumbling line cord, too.

I'm now looking for anyone who might want to sell the low frequency coils for this unit. The official Millen numbers were:

46702 925-2000 Kc  
46703 500-1050 Kc  
46704 325-600 Kc  
46705 220-350 Kc

Thanks in advance.

Regards,  
Jim N6SVS  
James.Reid@merisel.com

-----  
From: MNHopkins <MNHopkins@aol.com>  
Message-ID: <61fd8250.354a0145@aol.com>  
Date: Fri, 1 May 1998 13:07:15 EDT  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: heath@listserv.tempe.gov, qrp-l@lehigh.edu  
Mime-Version: 1.0  
Subject: Poison Nuvistors from SMIRK?  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Stopping by the PO to see Eudora Welty and mail off some signal generators, I found a mystery package in my box -- five Nuvistors, nine sockets and some sundries with no return address and a San Antonio postmark.

Could not have been Davy Crockett, I reasoned, and then it hit me. They were some sort of poison pills from SMIRK (I am #3002) sent as punishment for my joining the new 6 Meter Club (I am #38).

But maybe not.

Perhaps some kind soul knows my passion for receive converters and that the Nuvistor, arriving about 1960, was part of the last gasp of v. tubes. The still useful Ameco CN-XXX series and the upscale Tecraft Criterion converters used them as did a proliferation of preamps. They replaced the 6BQ7, king of

Cascode, which had in turn dethroned the 6AK5 in VHF signal boosting. Later 6M AM Transceivers used Nuvistors, too. The Polycoms and the Lafayette HA-460 are examples that occurred to me as I stood there among the postal workers, a posture that should cause one to be vigilant in itself. Even the Heath SB-110 used these little metal triodes, and if I were not tea total I would drink a toast both to them and to whomever sent them.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins

Box 226841

Dallas, TX 75222 MNHopkins@AOL.com

-----  
Message-ID: <354A03C1.87EC5190@bw.webex.net>  
Date: Fri, 01 May 1998 13:17:53 -0400  
From: Al Klase <skywaves@bw.webex.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Stripping 'magnet' wire  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Bob Roehrig wrote:

>

> If I am winding a small coil, I often stick the end in solder paste, then  
> tin the end with the iron. It works on small gauge wire. Burns the coating  
> right off. Otherwise I'll use the Bic lighter/sandpaper method.  
>

The magnet wire that most of us seem to encounter has high temperature insulation and was intended for motors, transformers, etc. where heat buildup is a problem. The insulation on this stuff was deliberately designed not to burn off. There are other grades of magnetwire, generally used for small RF coils, that have insulation that comes off easily when soldered with no other preparation. This is somewhat hard to find, but you can get quarter pound spools from Amidon Associates, the toroid coil people.

Does anyone know the specific trade names or other sources?

73,

Al

--

Al Klase - N3FRQ

skywaves@bw.webex.net

Flemington, NJ 08822

Web Page: <http://www.webex.net/~skywaves/home.htm>

-----  
Message-Id: <199805011736.KAA17815@shell.wco.com>

From: "Larry" <rau@wco.com>

To: Old Tube Radios <boatanchors@theporch.com>

Cc: "boatanchors" <boatanchors@theporch.com>

Subject: Re: Rusty panels

Date: Fri, 1 May 1998 10:30:51 -0700

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

I use scotch brite and similar pads all the time they come in 3 "grits"... any of them will scratch paint... and any will remove loose rust, and the stronger will scratch metal too...

You can try gingerly applying a mild acid like DILUTE phosphoric ( active ingredient of naval jelly ) or hydrochloric ( muritatic) with a q-tip and then neutralizing with baking soda and water ( arm and hammer ).

That should allow you to clean up small spots of rust without damaging your paint if you are very careful.. and do only small spots at a time.

Isn't this a painted panel ? At best you are going to have some shiny metal spots instead of rust metal spots...then what ? oil or paint ?

73 Larry W6WUH

-----  
Message-Id: <199805011744.KAA21368@shell.wco.com>

From: "Larry" <rau@wco.com>

To: Old Tube Radios <boatanchors@theporch.com>

Cc: "boatanchors" <boatanchors@theporch.com>

Subject: Re: RUSTY CHASSIS Stuff

Date: Fri, 1 May 1998 10:38:18 -0700

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

John...Rustoleum makes an ordinary gray primer.. and a Cold Galvanizing Compound they call Zinc Sele...which is what I used on the rusted chassis of my Globe King modulator... I learned about this stuff from fishermen...

I used it first to stop some localized rusting on a big commercial transmitter, after using a grinder bit in a dremel tool. Looked good and works great.

W6WUH

-----  
Date: Fri, 1 May 1998 13:45:56 -0400 (EDT)  
From: Michael Crestohl <mc@shore.net>  
Message-Id: <199805011745.NAA07668@northshore.shore.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: FS: Lambda MM-2 2" Monitor Scope

Hello Everyone:

Well, Dayton's coming soon enough and I could use a few bux for the flea market so here's another treasure:

This is a LAMBDA MM-2 Modulation Scope with a 2" CRT. It was made by the company best known for their excellent regulated power supplies. Cosmetically its' black wrinkle finish is pretty clean and nice but a good scrubbing would make it nicer still. I have the original manual with it. Price is \$45.00 plus UPS.

If interested please reply by e-mail.

73,

Michael, W1RC  
mc@shore.net

-----  
Message-Id: <199805011747.KAA22885@shell.wco.com>  
From: "Larry" <rau@wco.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Anybody Going to Mexico ?  
Date: Fri, 1 May 1998 10:41:26 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Anybody going to Mexico could mail Jesus ( in embargoed Cuba) a 3-500 Z.

Be the decent thing to do.

W6WUH

-----  
From: "Tom R. Rice" <tomrice@netcom.com>  
Message-Id: <199805011806.LAA03705@netcom4.netcom.com>  
Subject: Magnet Wire Characteristics  
To: Old Tube Radios <boatanchors@theporch.com>

Date: Fri, 1 May 1998 11:06:47 -0700 (PDT)  
Cc: glowbugs@piobaire.mines.uidaho.edu (free glowbugs)  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

In view of the current interest in stripping, the following  
may be of assistance:

Let it be noted that there're many kinds of wire  
coverings. I have a book "Belden Magnet Wire -  
Handbook 14", dated 1959, which lists a whole  
pile of different wire coatings:

Beldbond 105C Class A - Polyurethane  
self-bonding and solderable  
at 750-800F

Beldenamel 105C Class A - Oleoresinous  
thermosetting enamel

Beldsol 105C Class A - Polyurethane  
solderable at 750-800F

Celenamel 105C Class A - Cellulose acetate  
combined with resins; fastest  
solderability (1/4 sec @ 650-700F)

Formbond 105C Class A - Self-bonding at 130C  
or using denatured ethyl alcohol;  
solderable at 1050F without prior  
stripping

Formvar 105C Class A - "The all-purpose wire".  
Vinyl acetate, best stripped by  
brushing, burning, welding or chemical  
means.

Nylclad 105C Class A - "Toughest film coating"  
Nylon coating; recommended for motor  
winding and "deep" windings.

Beldtherm 130-155C Classes B to F - Polyester film  
coating. Not solderable; use chemicals,  
brushing or welding methods to strip.

(This stuff is also called Polythermaleze)

The book then goes on to other coverings, such as  
cotton and glass.

I have no doubt that wire manufacturers of today offer similar  
data, but you might have to dig for it. One of these days, when  
I get the time, I'll enter most of this into the BA archives;  
with no scanner, it has to be typed in ;-(

73 de WB6BYH

"Start off every day with a smile and get it over with." --W.C.Fields  
Tom R. Rice  
tomrice@netcom.com

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End of BOATANCHORS Digest 2038  
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